WEAR
CONTAMINATION
FLUID CONDITION

NORMAL NORMAL NORMAL

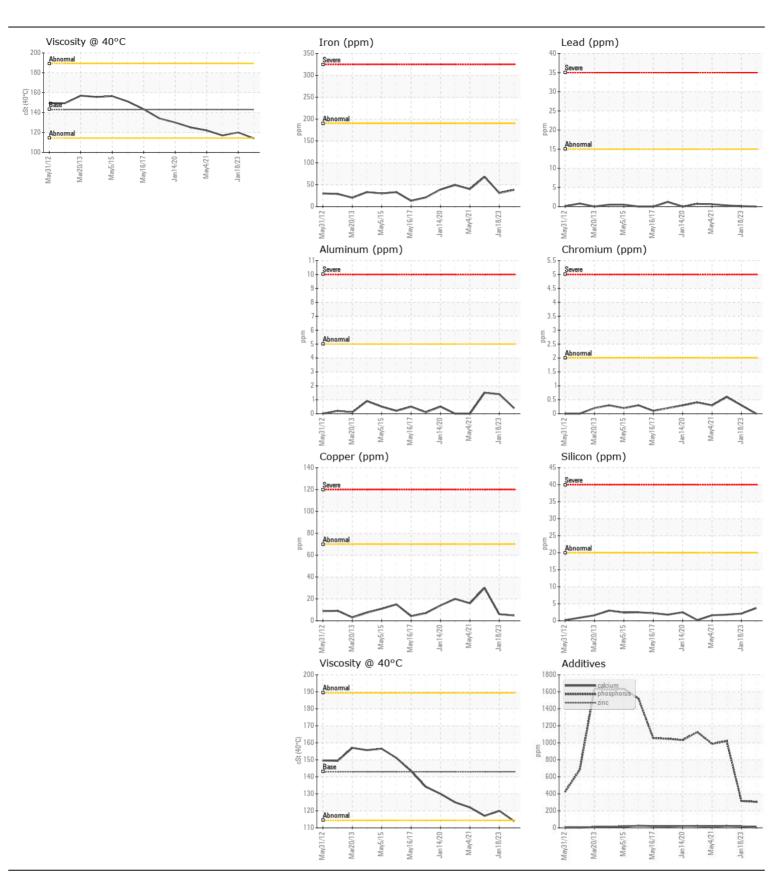


RMR-Somerset

18892 LIEBHERR A934B 028807-935

Rear Differential

GEAR OIL SAE 80W90 (G	AL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0021700	DJJ0018091	DJJ0011940
	Sample Date		Client Info		16 Apr 2024	18 Jan 2023	02 Nov 2021
	Machine Age	hrs	Client Info		19831	18580	16982
	Oil Age	hrs	Client Info		0	500	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
	Filter Changed		Client Info		N/A	N/A	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>190	38	31	68
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>2	0	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	2	0
	Aluminum	ppm	ASTM D5185m	>5	<1	1	2
	Lead	ppm	ASTM D5185m	>15	0	<1	<1
	Copper	ppm	ASTM D5185m	>70	5	6	30
	Tin	ppm	ASTM D5185m	>2	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4	2	2
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	2	0
	Water		WC Method	>.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>170	0	<1	0
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	400	<1	1	8
	Barium	ppm	ASTM D5185m	200	0	3	1
	Molybdenum	ppm	ASTM D5185m	12	<1	<1	1
	Manganese	ppm	ASTM D5185m		1	<1	1
	Magnesium	ppm	ASTM D5185m	12	0	2	3
	Calcium	ppm	ASTM D5185m	150	10	18	24
	Phosphorus	ppm	ASTM D5185m	1650	306	316	1021
	Zinc	ppm	ASTM D5185m	125	0	15	18
	Sulfur	ppm	ASTM D5185m	22500	17125	13959	13061
	Visc @ 40°C	cSt	ASTM D445	143	114	120	117





Certificate L2367

Laboratory Sample No.

: DJJ0021700 Lab Number : 06154954 Unique Number: 10990377 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** : 22 Apr 2024

: 24 Apr 2024 - Jonathan Hester Diagnosed

RIVER METALS RECYCLING - SOMERSET 905 CRANE ROAD

Contact/Location: RYAN BOWDEN - RIVSOM

SOMERSET, KY US 42501

Contact: RYAN BOWDEN

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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T: